

From: [Purcell, Mark](#)
To: [Blake, Johanna](#)
Cc: [Appaji, Sairam](#); [Kent Becher](#); [Philip Harte](#)
Subject: RE: Files we discussed
Date: Thursday, November 9, 2017 8:00:00 AM
Attachments: [Figure 4-7 Base of Alluvium Structure Map \(009\).pdf](#)

Johanna,

Here is the actual map of the Base of Alluvium Structure. If there are any other maps that you see in the slide presentation that you would like, please let me know and I will send them. Sometimes the Power Point slides are difficult to view.

Mark

Mark Purcell

Superfund Division (6SF)

U.S. Environmental Protection Agency - Region 6

1445 Ross Avenue, Suite 1200

Dallas, TX 75202

Tel: 214-665-6707

Fax: 214-665-6660

From: Blake, Johanna [mailto:jmtblake@usgs.gov]
Sent: Wednesday, November 08, 2017 8:14 PM
To: Purcell, Mark <purcell.mark@epa.gov>
Cc: Appaji, Sairam <appaji.sairam@epa.gov>; Kent Becher <kdbecher@usgs.gov>; Philip Harte <ptharte@usgs.gov>
Subject: Re: Files we discussed

Hi Mark,
Thanks for sending. No problem on the geochem section.
Talk to you all soon.

On Wed, Nov 8, 2017 at 4:40 PM, Purcell, Mark <purcell.mark@epa.gov> wrote:

Hi Johanna,

Sorry, but got sidetracked after the call.

I have attached the presentation I gave a couple of weeks ago. Please note that these are draft slides for discussion purposes only. There is a conceptual assessment of impacts to lower basin

from mine discharge water. EPA is waiting on the USGS work at Homestake to help with this.

The base of alluvium structure map is at the end, along with a couple other slides I had as extras.

I have also attached the cross section through well 920.

I am reluctant to send you the geochemistry section at this time as it is still undergoing significant revision. I will talk with Weston and Earle Dixon.

Mark

From: Blake, Johanna [mailto:jmtblake@usgs.gov]

Sent: Wednesday, November 08, 2017 3:17 PM

To: Purcell, Mark <purcell.mark@epa.gov>; Appaji, Sairam <appaji.sairam@epa.gov>

Cc: Kent Becher <kdbecher@usgs.gov>; Philip Harte <ptharte@usgs.gov>

Subject: Files we discussed

Hi Mark,

I do not have the discussion on the geochemistry from Earle Dixon. I have one cross section that you provided, but I am not sure it is the one you mentioned.

If you would send me both of those pieces plus anything else you think might be helpful, that would be great.

Thanks to everyone for a great conversation this morning!

Kind Regards,

Johanna

--

Johanna M. Blake, PhD.
Research Hydrologist/Geochemist
U.S. Geological Survey
NM Water Science Center
6700 Edith Blvd. NE
Albuquerque, NM 87113
(o) 505-830-7953
(c) 505-415-2464
jmtblake@usgs.gov
<https://www.facebook.com/USGSNM/>

Adjunct Professor
University of New Mexico
Department of Earth and Planetary Sciences

--

Johanna M. Blake, PhD.
Research Hydrologist/Geochemist
U.S. Geological Survey
NM Water Science Center
6700 Edith Blvd. NE
Albuquerque, NM 87113
(o) 505-830-7953
(c) 505-415-2464
jmtblake@usgs.gov
<https://www.facebook.com/USGSNM/>

Adjunct Professor
University of New Mexico
Department of Earth and Planetary Sciences